

UNMC0027.ST25.txt
SEQUENCE LISTING

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Malone, James

<120> Cocksackievirus Vectors And Their Use In Prevention And Treatment Of Disease

<130> UNMC0027

<140> 09/817,748

<141> 2001-03-27

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<151> 2000-03-27

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<150> 08/812,121

<151> 1997-03-05

<160> 28

<170> PatentIn version 3.1

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<212> DNA

<213> Cocksackievirus

<400> 1

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gtggggaact acagggtagt 80

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Ser Gly Val Thr Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr
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Gly Ala Phe Gly Gln Gln Ser Gly Ala Val Thr Leu Glu Met Pro Gly
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Ser Ala

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Gln Gln Ser Gly Ala Val Tyr Val Gly
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 ag 62

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Asn Thr Gly Ala Phe
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Tyr Arg Val Met Gly Leu Asn Tyr Ser Ile Thr
1 5 10

<210> 11
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<212> PRT
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Ser Gly Val Thr Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr
1 5 10 15

Gly Ala Phe Gly Gln Gln Ser Gly Ala Val Thr Leu Glu Asp Pro Arg
20 25 30

Val Pro Ser Ser Asn Ser Ile Thr Thr Met Thr Asn Thr Gly Ala Phe
35 40 45

Gly Gln Gln Ser Gly Ala Val Tyr Val Gly
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<211> 59
<212> PRT
<213> Cocksackievirus

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Ser Gly Val Thr Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr
1 5 10 15

Gly Ala Phe Gly Gln Gln Ser Gly Ala Val Thr Leu Glu Met Pro Gly
20 25 30

Ser Ala Met Lys Ser Asn Ser Ile Thr Thr Met Thr Asn Thr Gly Ala
35 40 45

Phe Gly Gln Gln Ser Gly Ala Val Tyr Val Gly
50 55

<210> 13
<211> 69
<212> DNA
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<400> 13
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tttcaagga 69

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 <212> PRT
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Met Gly Asn Ser Ser Ser Val Pro Gly Asp Pro Leu Glu Ser Thr Cys
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Arg His Ala Gly Phe Gln Gly
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 <212> PRT
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Met Gly Asn Ser Ser Ser Met Pro Gly Met Lys Ser His Ala Gly Phe
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Gln Gly

<210> 17
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 gcagtctcgg atccagaatt ctgcagatca attaccacca tgaccaaacac cggggcgcat 120
 ttggacaatc aggggcag 138

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Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly
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Gln Gln Ser Gly Ala Val Ser Asp Pro Glu Phe Cys Arg Cys Ile Thr
 20 25 30

Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Ser Gly Ala Val
 35 40 45

<210> 19
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 <212> DNA
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ggca 124

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<211> 41
<212> PRT
<213> Cocksackievirus
<400> 20

Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Gln Ser Gly Ala
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20 25 30

Gly Ala Phe Gly Gln Gln Ser Gly Ala
35 40

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<211> 268
<212> DNA
<213> Cocksackievirus

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tttgaacgac cggcaaggca atgctactaa accaaaagt gttttgtaca gtgaagatgt 180
aaatatggaa accccagaca cacatctgtc tgactgcagg attacaacta tgactaacac 240
cggggctttc ggtagcaga gtggggca 268

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<211> 89
<212> PRT
<213> Cocksackievirus

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Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Gln Ser Gly Ala
1 5 10 15

Val Ser Asp Pro Asp Glu Lys Gly Val Pro Leu Pro Lys Val Asp Leu
20 25 30

Gln Phe Phe Ser Asn Thr Thr Ser Leu Asn Asp Arg Gln Gly Asn Ala
35 40 45

Thr Lys Pro Lys Val Val Leu Tyr Ser Glu Asp Val Asn Met Glu Thr
50 55 60

Pro Asp Thr His Leu Ser Asp Cys Arg Ile Thr Thr Met Thr Asn Thr
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Gly Ala Phe Gly Gln Gln Ser Gly Ala

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 <213> Cocksackievirus

<400> 23
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31

<210> 24
 <211> 30
 <212> DNA
 <213> Cocksackievirus

<400> 24
 gcctctgcag tcagacagat gtgtgtctgg

30

<210> 25
 <211> 20
 <212> DNA
 <213> Cocksackievirus

<400> 25
 ctagactctg ccaatacgag

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<210> 26
 <211> 21
 <212> DNA
 <213> Cocksackievirus

<400> 26
 gtgctcacta agaggtctct g

21

<210> 27
 <211> 49
 <212> DNA
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<400> 27
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49

<210> 28
 <211> 16
 <212> PRT
 <213> Cocksackievirus

<400> 28

Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Gln Ser Gly Ala
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